

APPENDIX H

TRAFFIC SIGNAL TIMINGS INFORMATION

DIST	COUNTY	ROUTE	SECT	SHEET
6-0	PHILADELPHIA			43 of 43
CITY OF PHILADELPHIA				
REVISION NUMBER	REVISIONS	DATE	BY	

APPROVED *Charles H. Strawn* DATE 10/1/93
TRAFFIC ENGINEER DIVISION
DESIGN REVIEW *Douglas May* DATE 10/25/93
PENNDOT TRAFFIC ENGINEER SA

MATERIAL LIST	
1	EA 170 CONTROLLER, SOLID STATE
1	EA RENEW SPLICES
14	EA PED SIGNAL HEAD 9-INCH 2-SECTION
1000	LF TRAFFIC SIGNAL CABLE 15-CONDUCTOR
1	EA SIGNAL HEAD 8-INCH 3-SECTION
3	EA TRAFFIC C-POST, 20'
20	LF ELECTRICAL SERVICE WIRE
210	LF TRAFFIC SIGNAL CABLE, 5-CONDUCTOR

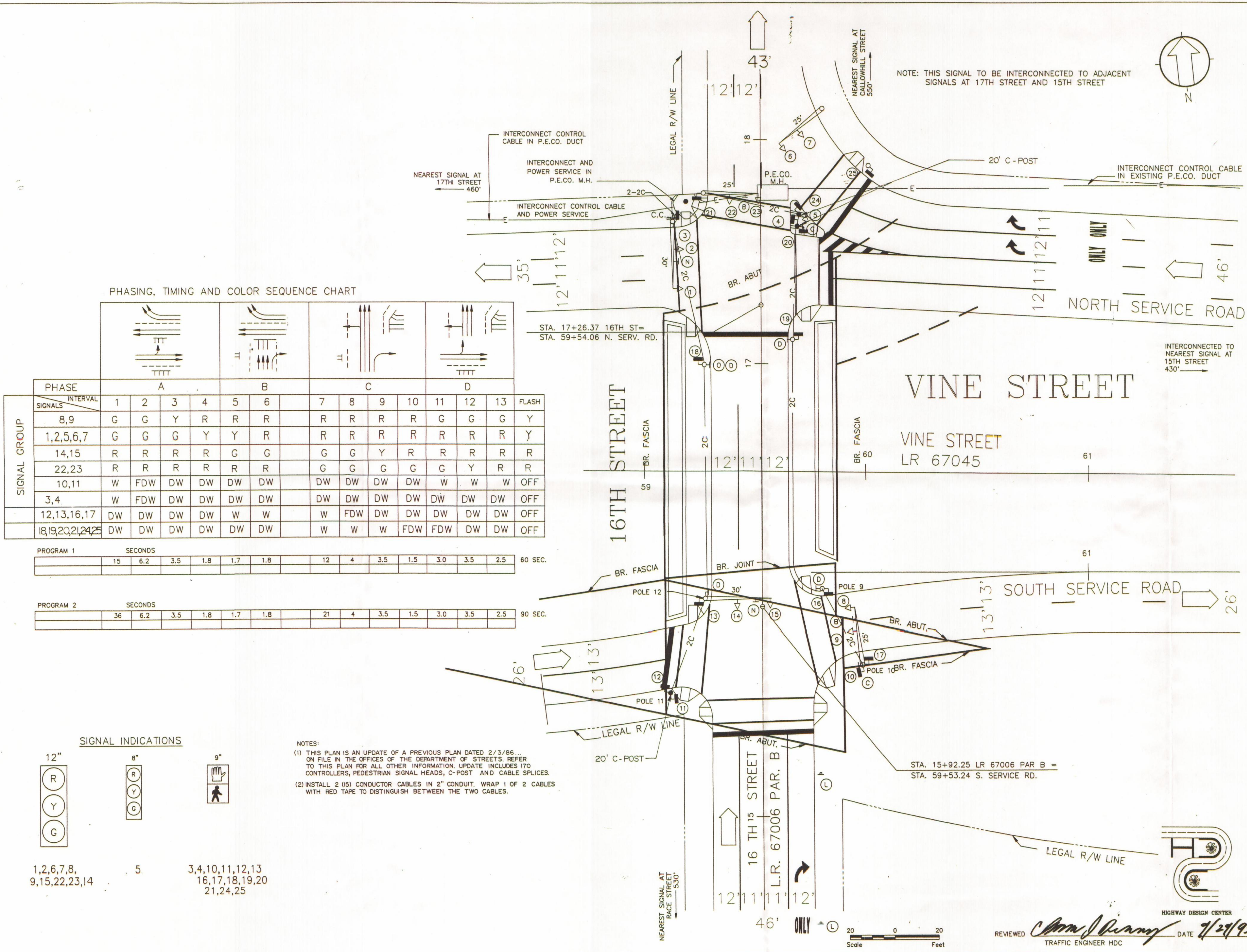
LEGEND	
	EXISTING MAST ARM, LENGTH
	NEW MAST ARM, LENGTH
	EXISTING C-POST
	NEW C-POST
	CONTROLLER
	EXISTING SIGNAL HEAD AND NUMBER
	NEW SIGNAL HEAD AND NUMBER
	EXISTING 2" CONDUIT
	EXISTING CONDUIT AND SIZE
	NEW CONDUIT AND SIZE
	NEW CURB RAMP
	EXISTING CURB RAMP
	EXISTING TREE
	EXISTING GRATE INLET
	EXISTING INLET
	EXISTING STREET LIGHT
	NEW STREET LIGHT
	EXISTING FIRE HYDRANT
	EXISTING MAIL BOX
	SIGN & SYMBOL

SIGN TABULATION				
QUAN	SYM	SERIES	SIZE	LEGEND
0	CG	R6-1L	36 X 12	ONE WAY LEFT ARROW
0	B	R6-1R	36 X 12	ONE WAY RIGHT ARROW
0	B	R6-2L	24 X 30	ONE WAY LEFT ARROW
0	B	R6-2R	24 X 30	ONE WAY RIGHT ARROW
0	L	R3-7R	30 X 30	RIGHT LANE MUST TURN RIGHT
0	D	R9-3	18 X 18	NO PEDESTRIAN CROSSING

CITY OF PHILADELPHIA
TRAFFIC CONTROL SYSTEM

16TH STREET
and
VINE STREET

SHEET 43 of 43



WORK ORDER S11244	Broad Street and Vine Street				Traffic Engineering District #1			
	Prepared by <i>Shirley</i>	Date 09/13/2011	WORKS COMPLETED BY <i>Jeffrey</i>	Date 12/13/2011				
SIGNAL	Approved by <i>Cheney</i>	Date 9/13/11	INSPECTED BY <i>Jeffrey</i>	Date 12/14/2011				

		1+2+5+5+9+10+P2+P6 Broad St. & Broad St. Peds.										1+8+9+P8 SB Broad Far side Thru & Left, WB Vine St. & Vine St. Ped(NS)					Extension				Maximums		
		Phase Movements																					
#		1	2	3	4	5	6	7	8	9	10	11	12	13		Flash	G	M	FH	G	M	FH	
2	NB Broad Street (Near Side)	R	R	R	R	R	G	G	Y	R		R	R	R		R							
10	NB Broad Street (Far Side)	R	R	R	R	R	G	G	G			R	R	R									
5																							
6	SB Broad Street (Near Side)	R	R	R	R	R	G	G	Y		R	R	R	R		R							
9	SB Broad Street (Far Side)	R	R	R	R	R	G	G	G		G	G	Y	R									
1	SB Broad (Far Side-Left Turn)	R	R	R	R	R	G	G	G		G	<G	Y	R									
4	EB Vine St.	G	G	Y	R	R	R	R	R		R	R	R	R		R							
7																							
8	WB Vine St.	G	G	Y	R	R	R	R	R		R	G	G	G		R							
3																							
P2	X-ing Vine St. East Side	H	H	H	H	M	M	M	FH	H	H	H	H	H		OFF							
P6	X-ing Vine St. West Side	H	H	H	H	M	M	M	FH	H	H	H	H	H		OFF							
P4	X-ing Broad St. South Side	M	FH	H	H	H	H	H	H	H	H	H	H	H		OFF							
P8	X-ing Broad St. North Side	M	FH	H	H	H	H	H	H	H	H	M	M	M		OFF							
				</																			

Instructions	Install timings.			
	Event	Day	Time	Remarks
	1	1-7	0:00 90	0 1

RECEIVED
9-16-11

TE SHOP

DIST	COUNTY	ROUTE	SECT	SHEET
6-0	PHILADELPHIA			41 of 43
CITY OF PHILADELPHIA				
REVISION NUMBER	REVISIONS			DATE BY

APPROVED Charles H. Hearn DATE 10/8/93
TRAFFIC ENGINEER DIVISION
DESIGN REVIEW Souglas May DATE 10/15/93
PENNDOT TRAFFIC ENGINEER 614
MATERIAL LIST

QUANTITY/UNIT	DESCRIPTION
1 EA	170 CONTROLLER, SOLID STATE
1 EA	RENEW SPLICES
12 EA	PED SIGNAL 9 INCH 2-SECTION
1000 LF	TRAFFIC SIGNAL CABLE 15-CONDUCTOR
25 LF	ELECTRICAL SERVICE WIRE
180 LF	TRAFFIC SIGNAL CABLE, 5-CONDUCTOR

LEGEND

EXISTING MAST ARM, LENGTH

NEW CURB RAMP

NEW MAST ARM, LENGTH

EXISTING CURB RAMP

EXISTING C-POST

EXISTING TREE

NEW C-POST

EXISTING GRATE INLET

CONTROLLER

EXISTING INLET

EXISTING SIGNAL HEAD
AND NUMBER

EXISTING STREET LIGHT

NEW SIGNAL HEAD
AND NUMBER

NEW STREET LIGHT

EXISTING 2" CONDUIT

EXISTING FIRE HYDRANT

EXISTING CONDUIT AND SIZE

EXISTING MAIL BOX

NEW CONDUIT AND SIZE

SIGN & SYMBOL

EXISTING 2" CONDUIT

EXISTING FIRE HYDRANT

EXISTING CONDUIT AND SIZE

EXISTING MAIL BOX

NEW CONDUIT AND SIZE

SIGN & SYMBOL

EXISTING 2" CONDUIT

EXISTING FIRE HYDRANT

EXISTING CONDUIT AND SIZE

EXISTING MAIL BOX

NEW CONDUIT AND SIZE

SIGN & SYMBOL

EXISTING 2" CONDUIT

EXISTING FIRE HYDRANT

EXISTING CONDUIT AND SIZE

EXISTING MAIL BOX

NEW CONDUIT AND SIZE

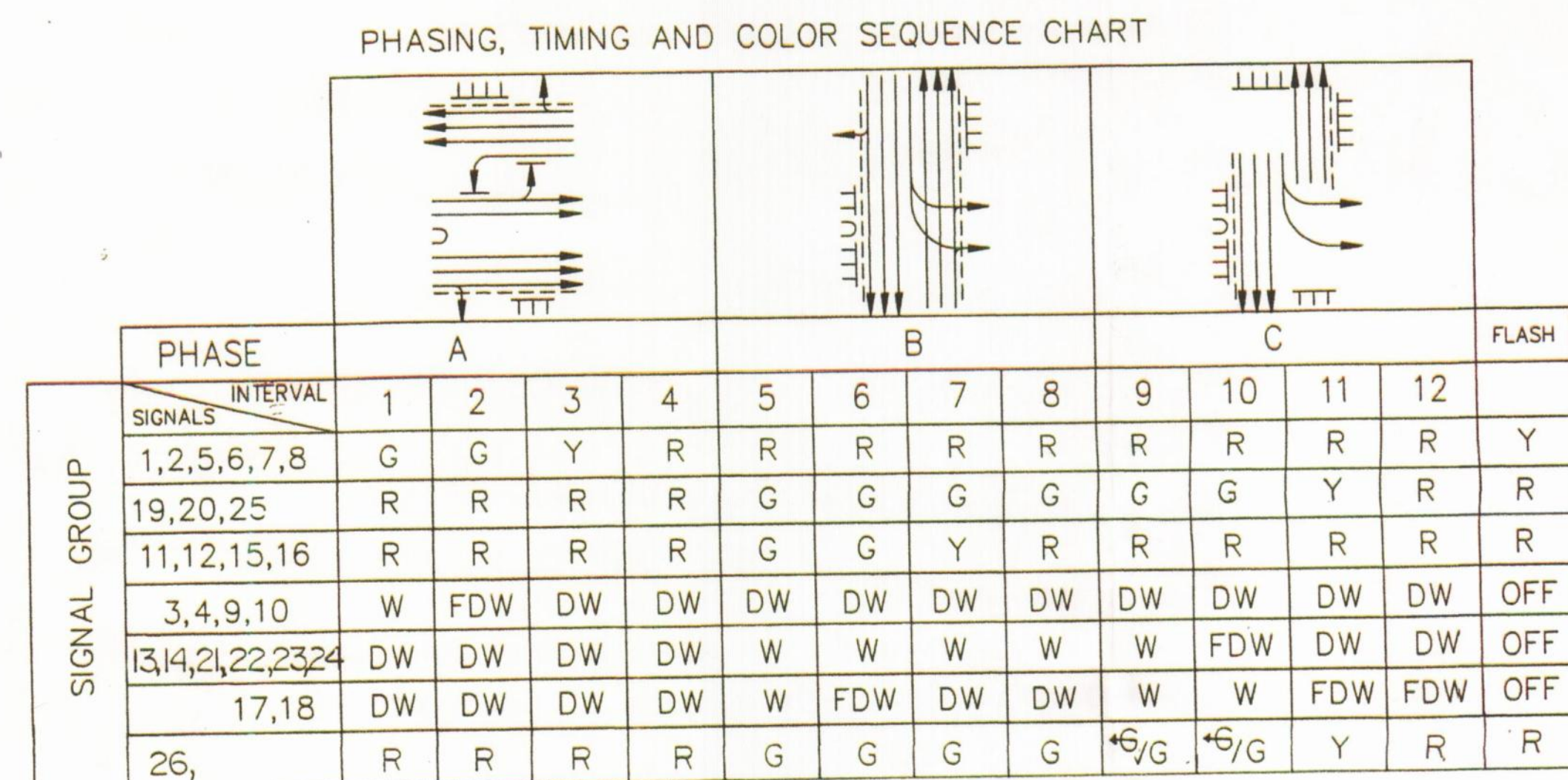
SIGN & SYMBOL

SIGN TABULATION				
QUAN	SYM	SERIES	SIZE	LEGEND
0	FACULTY BOARD AD	R3-3	24 X 24	NO TURNS
0		R3-3	36 X 36	NO TURNS
0		R3-7L	30 X 30	LEFT LANE MUST TURN LEFT
0		R6-1L	36 X 12	<---- DNEWAY
0		R6-2L	30 X 36	<---- DNEWAY
0		R6-1R	36 X 12	DNEWAY ---->
0		R6-2R	36 X 36	DNEWAY ---->
0		R10-2	18 X 18	NO PEDESTRIAN CROSSING
0			30 X 36	OPPOSING TRAFFIC HAS EXTENDED GR
0				

CITY OF PHILADELPHIA
TRAFFIC CONTROL SYSTEM

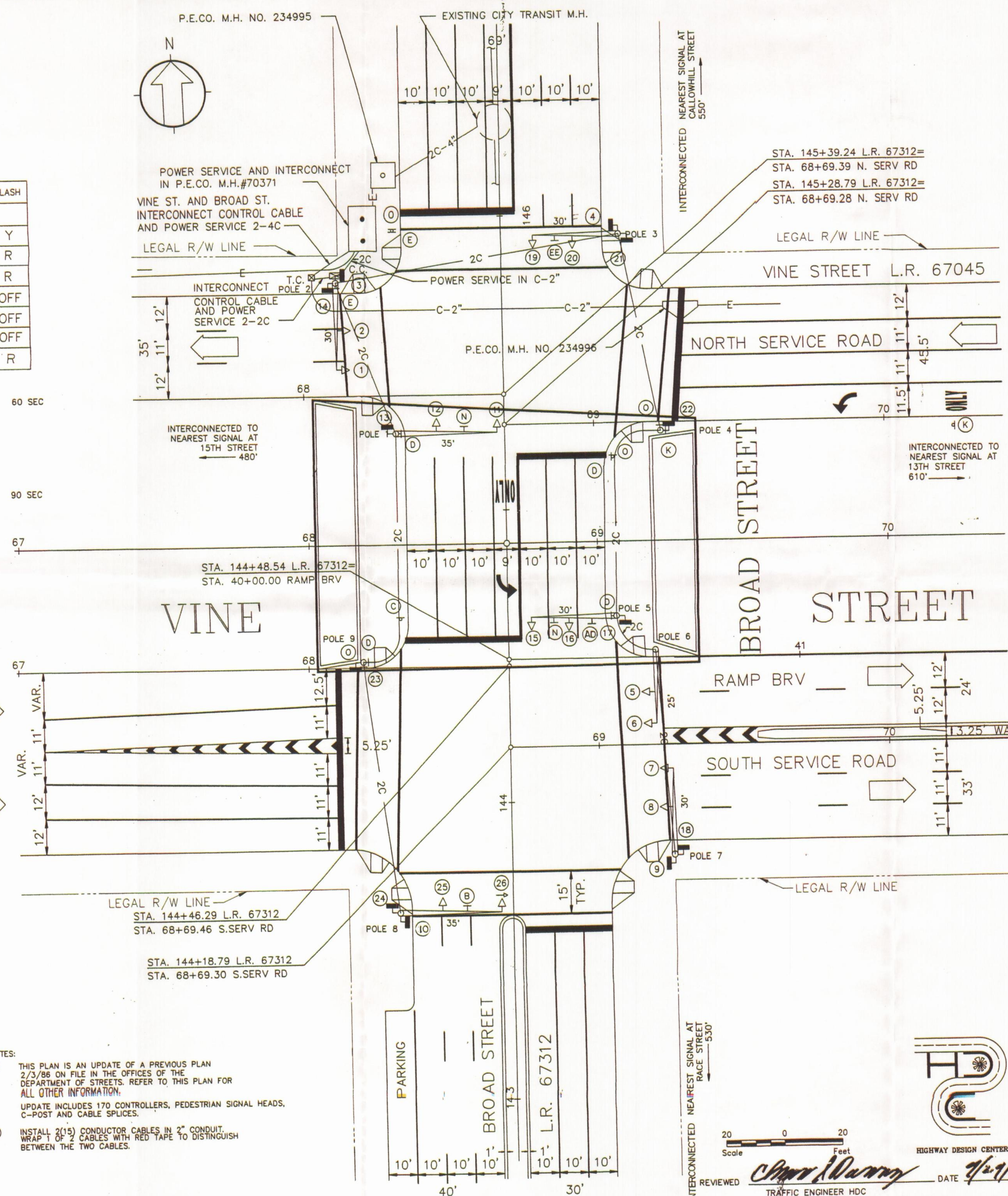
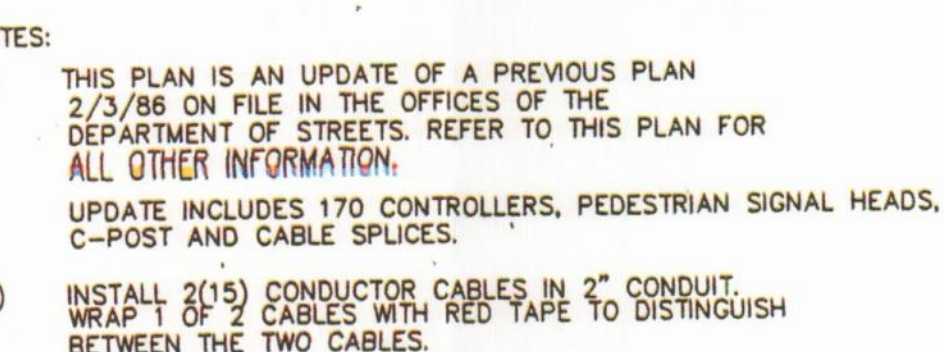
BROAD STREET
and
VINE STREET

SHEET 41 of 43

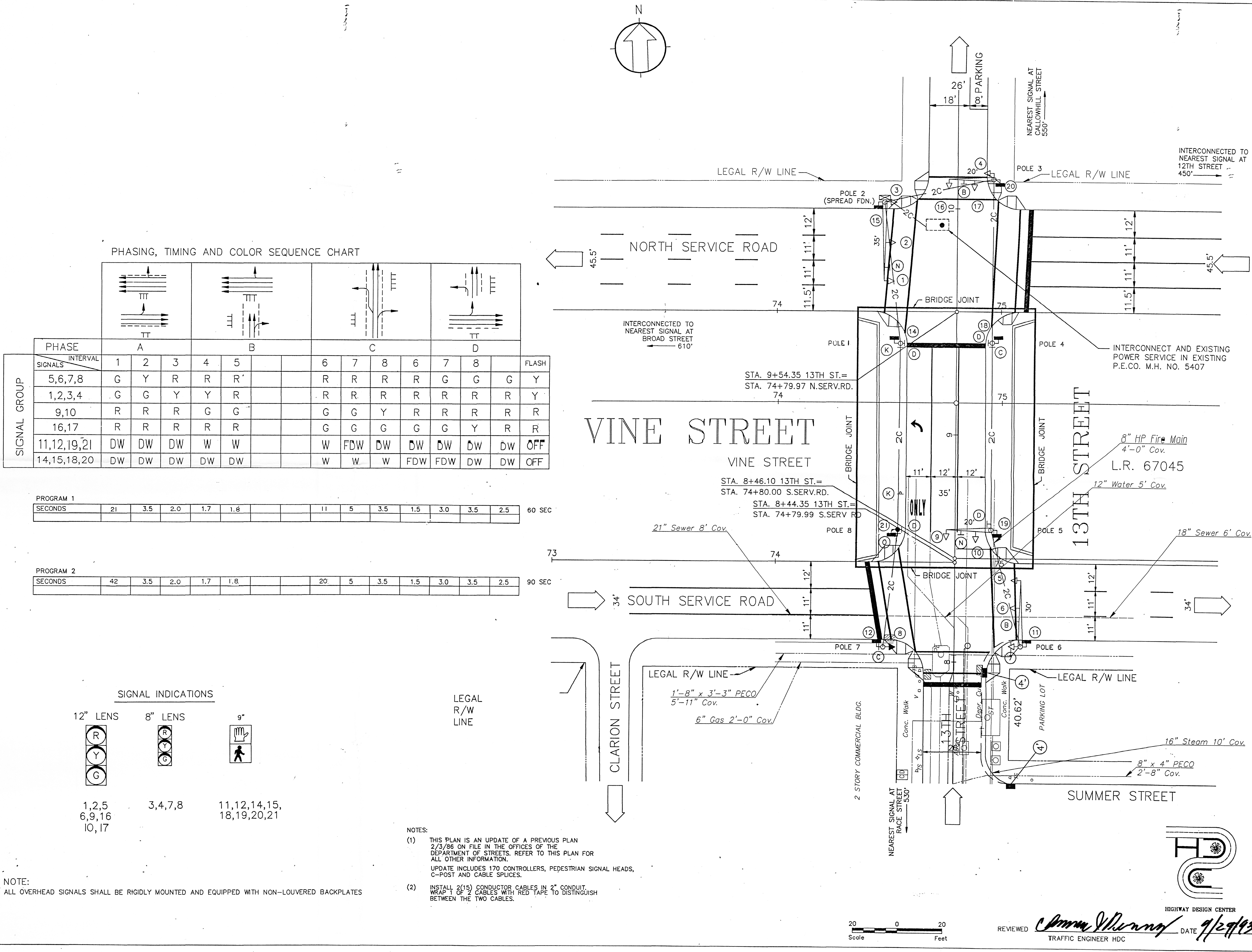


PROGRAM 1													60 SEC
SECONDS	10	11	3.5	2.0	7	10	3.5	1.5	3	3.0	3.5	2.0	

PROGRAM 2													90 SEC
SECONDS	31	11	3.5	2.0	14	10	3.5	1.5	5	3.0	3.5	2.0	



DIST	COUNTY	ROUTE	SECT	SHEET
6-0	PHILADELPHIA			40 of 43
CITY OF PHILADELPHIA				
REVISION NUMBER	REVISIONS			DATE BY
APPROVED <i>Charles H. Hannon</i> DATE 10/1/93				
DESIGN REVIEW <i>Douglas Alley</i> DATE 10/25/93				
MATERIAL LIST				
QUANTITY/UNIT DESCRIPTION				
1 EA 170 CONTROLLER, SOLID STATE				
1 EA RENEW SPLICES				
8 EA PED SIGNAL HEAD 9-INCH 2-SECTION				
1 EA TRAFFIC C-POST, 20'				
900 LF TRAFFIC SIGNAL CABLE 15-CONDUCTOR				
25 LF ELECTRICAL SERVICE WIRE				
1 EA SIGNAL HEAD, 8-INCH 3-SECTION				
135 LF TRAFFIC SIGNAL CABLE, 5-CONDUCTOR				
LEGEND				
EXISTING MAST ARM, LENGTH 35'				
NEW MAST ARM, LENGTH 35'				
EXISTING C-POST				
NEW C-POST				
CONTROLLER				
EXISTING SIGNAL HEAD AND NUMBER				
NEW SIGNAL HEAD AND NUMBER				
EXISTING 2" CONDUIT				
NEW CONDUIT AND SIZE				
NEW C-POST				
EXISTING CURB RAMP				
EXISTING TREE				
EXISTING GRATE INLET				
EXISTING INLET				
EXISTING STREET LIGHT				
NEW STREET LIGHT				
EXISTING FIRE HYDRANT				
EXISTING MAIL BOX				
SIGN & SYMBOL				
SIGN TABULATION				
QUAN	SYM	SERIES	SIZE	LEGEND
000000	R3-7L	30 X 30	30 X 30	LEFT LANE MUST TURN LEFT
000000	R3-6-1L	36 X 12	36 X 12	ONEWAY
000000	R3-6-2L	30 X 36	30 X 36	ONEWAY
000000	R3-6-1R	36 X 12	36 X 12	ONEWAY
000000	R3-6-2R	30 X 36	30 X 36	ONEWAY
000000	R3-6-3R	18 X 18	18 X 18	NO PEDESTRIAN CROSSING
CITY OF PHILADELPHIA				
TRAFFIC CONTROL SYSTEM				
13TH STREET and VINE STREET				
SHEET 40 of 43				



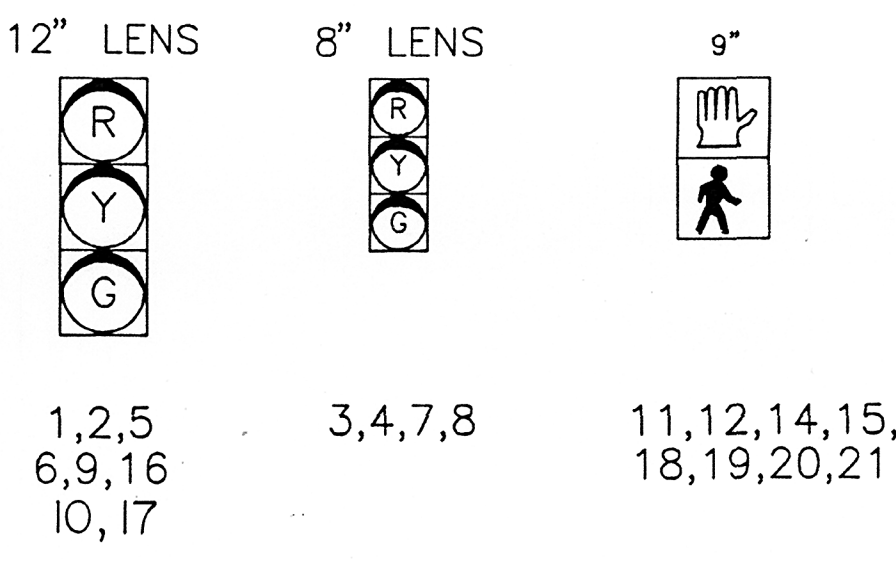
PHASING, TIMING AND COLOR SEQUENCE CHART

SIGNAL GROUP	PHASE A				PHASE B				PHASE C				PHASE D				FLASH
	INTERVAL	1	2	3	4	5			6	7	8	6	7	8			
	5,6,7,8	G	Y	R	R	R			R	R	R	R	G	G	G	Y	
	1,2,3,4	G	G	Y	Y	R			R	R	R	R	R	R	R	Y	
	9,10	R	R	R	G	G			G	G	Y	R	R	R	R	R	
	16,17	R	R	R	R	R			G	G	G	G	G	Y	R	R	
	11,12,19,21	DW	DW	DW	W	W			W	FDW	DW	DW	DW	DW	DW	OFF	
	14,15,18,20	DW	DW	DW	DW	DW			W	W	W	FDW	FDW	DW	DW	OFF	

PROGRAM 1																	60 SEC
SECONDS	21	3.5	2.0	1.7	1.6				11	5	3.5	1.5	3.0	3.5	2.5		

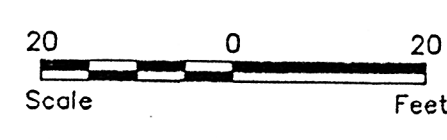
PROGRAM 2																	90 SEC
SECONDS	42	3.5	2.0	1.7	1.8				20	5	3.5	1.5	3.0	3.5	2.5		

SIGNAL INDICATIONS

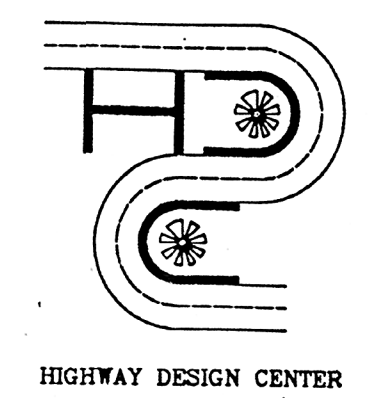


NOTE: ALL OVERHEAD SIGNALS SHALL BE RIGIDLY MOUNTED AND EQUIPPED WITH NON-LOUVERED BACKPLATES

- NOTES:
- (1) THIS PLAN IS AN UPDATE OF A PREVIOUS PLAN 2/3/86 ON FILE IN THE OFFICES OF THE DEPARTMENT OF STREETS. REFER TO THIS PLAN FOR ALL OTHER INFORMATION.
UPDATE INCLUDES 170 CONTROLLERS, PEDESTRIAN SIGNAL HEADS, C-POST AND CABLE SPLICES.
 - (2) INSTALL 2(15) CONDUCTOR CABLES IN 2" CONDUIT. WRAP 1 OF 2 CABLES WITH RED TAPE TO DISTINGUISH BETWEEN THE TWO CABLES.



REVIEWED *Charles H. Hannon* DATE 9/29/93
TRAFFIC ENGINEER HDC



No Pe

1-94

WORK ORDER 4350		LOCATION 16th & Chancery		INVESTIGATION DIST.	
TYPE [2]	INVESTIGATED BY J.D.-BC	DATE 11-14-80	WORK COMPLETED BY FALSON	DATE 11-24-80	INVESTIGATION NO. 12-1-80 36-81
APPROVED BY Loreland		DATE 11-14-80	WORK INSPECTED BY JB	DATE 12-1-80	

REVISE SIGNS AS FOLLOWS: -

- 1- REPLACE ALL SIGNS AS SHOWN.
- 2- IN ADDITION - ERECT POST - WITH SIGNS AS SHOWN. INSTANT CONDUIT - CONTRACTOR HAS REMOVED OLD CONCRETE SIDEWALK & WILL REPLACE SIDEWALK AFTER T.E. WORK. CONTRACTOR WILL CUT ABANDONED SEPTA POLE INTO 6' LENGTHS & CITY FORCES WILL BE DOWN TO STOP.
- 3- NE COR - REMOVE POST AS SHOWN.

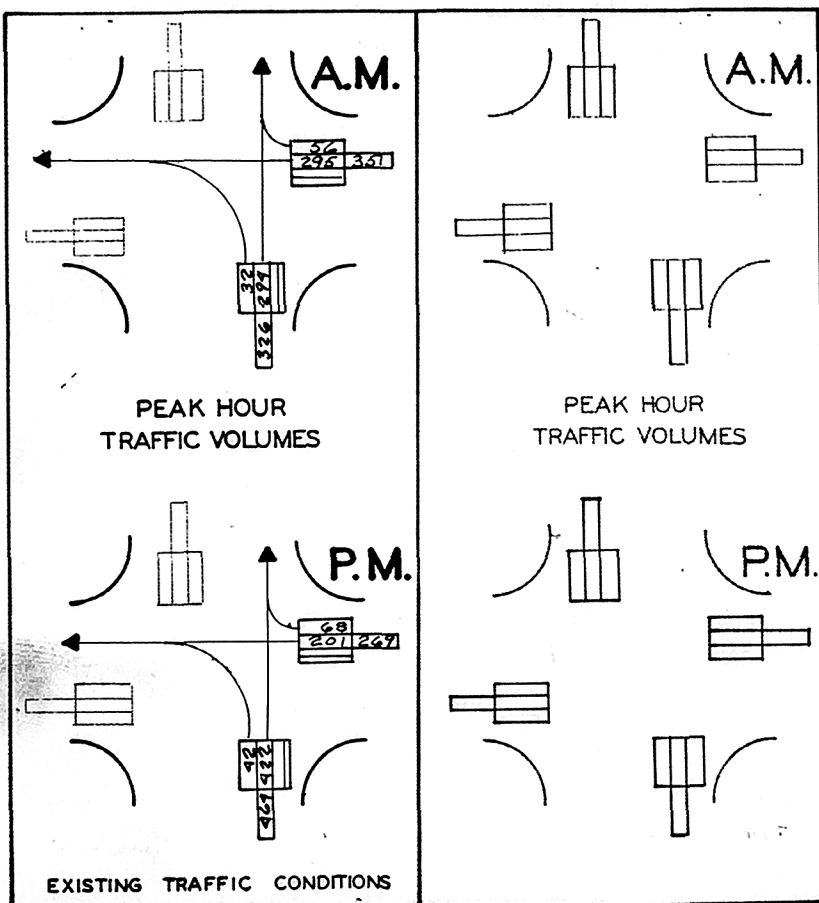
REVISE TURNING TO REMOVE ALL RED MATERIALS -

16th	60 SEC CYCLE	R
34-4	32	R
Chancery	R	16-4 32 R

Lead-on Chancery - 15 feet. After 17th St

57-62-65-92-97-0

EXISTING
CONTRACTOR - REMOVE

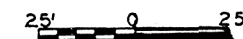
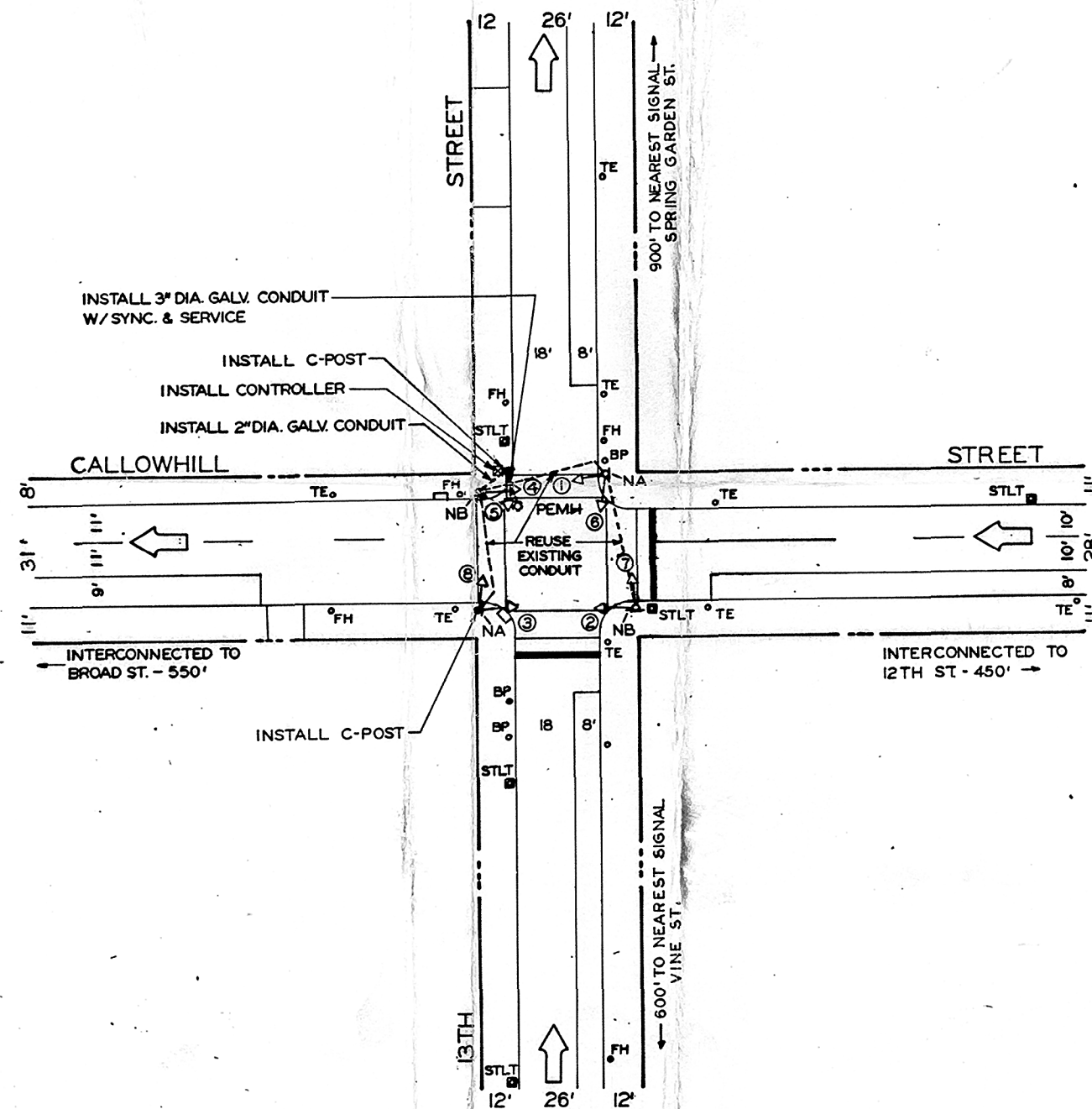


PHASE	A	B	FLASH
1,2,3,4	G	Y	R
5,6,7,8	R	R	R

DIAL #	SECONDS	PERCENT	AVERAGE	60 SEC.	100%
1	36.0	3.0	1.2	15.0	3.0
2	54.0	3.6	1.8	25.2	3.6
3	33.0	3.0	1.2	18.0	3.0

SIGNAL INDICATIONS

12" 8" R Y G



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	PHILADELPHIA			H-13
CITY OF PHILADELPHIA				
NUMBER	REVISION	DATE	BY	
APPROVED <i>Joseph M. Doyle</i> DATE 12/18/79 CITY ENGINEER				
APPROVED <i>Stephen R. Lester</i> DATE 12/19/79 DISTRICT TRAFFIC ENGINEER				
MATERIAL LIST				
1	PRE-TIMED CONTROLLER			
2	13' C-POSTS			
2	1-WAY 8" SIGNALS 13' C-POST MOUNTED			
3	2-WAY 8" SIGNAL 13' C-POST MOUNTED			
10	LIN. FT. 2" DIA. GALV. CONDUIT			
30	LIN. FT. 3" DIA. GALV. CONDUIT			
140	LIN. FT. 11 COND. 14 CABLE			
40	LIN. FT. 2 COND. 10 CABLE			
LEGEND				
MASTARM	= [Symbol]			
C-POST	= [Symbol] EXISTING			
SIGNALS	= [Symbol] NEW			
CONDUIT	= [Symbol] EXISTING			
	= [Symbol] NEW			
SIGN TABULATION				
N = NEW E = EXISTING				
QUANTITY	SYMBOL	SERIES	SIZE	LEGEND
2	A	R6-1R	36x12	ONE WAY →
2	B	R6-1L	"	ONE WAY ←
CITY OF PHILADELPHIA				
TRAFFIC CONTROL SYSTEM				
CALLOWHILL STREET				
FAU ROUTE G-026				
PROPOSED IMPROVEMENTS FOR				
CALLOWHILL STREET & 13TH STREET				

WORK ORDER
S11270

15th Street and Spring Garden Street

Traffic Engineering District #1

SIGNAL

Prepared by *[Signature]*

Date 10/26/11

WORK COMPLETED by *[Signature]*

Date 5/15/2011

Approved by *[Signature]*

Date 10/26/11

INSPECTED by *[Signature]*

Release date

5/15/2011

4+7+8
Spring Garden St. &
Spring Garden St. Left

6
15th St.

Extension

Phase Movements

#	Phase Movements	Minimums								Maximums			
		1	2	3	4	5	6	7	8	Flash	G	M	FH

2													
5													
6	SB 15th Street	R	R	R	R	R	G	Y	R	R			
1													
4	EB Spring Garden St.	G	G	G	Y	R	R	R	R	Y			
7	EB Spring Garden Left	<G								OFF			
8	WB Spring Garden St.	R	R	G	Y	R	R	R	R	Y			
3													
P2													
P6													
P4													
P8													

Program 1

6.0	3.0	20.0	3.6	2.4	19.0	3.4	2.6	60.0 secs					
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Time of Day Plan

Event	Day	Time	Cycle	Offset	Plan	Remarks
1	1-7	0:00	60	44	1	

15

Instructions

Install timings.

TE SHOP